

Defining connections to a Rendezvous Server

RendezvousInfo is a set of instructions that allows the Device and Owner to find a cooperating Rendezvous Server. This article documents the steps for connecting to the public [fdorv.com](https://fidoalliance.org/specs/FIDO-Device-Onboard-PS-v1.1-20220419/FIDO-Device-Onboard-PS-v1.1-20220419.html#RVInfo) Rendezvous Server.

Step-by-step guide

The manufacturing server API accepts RendezvousInfo in the more human readable CBOR Diagnostic form. The numbers defined in the Diagnostic string are defined in the FDO specification <https://fidoalliance.org/specs/FIDO-Device-Onboard-PS-v1.1-20220419/FIDO-Device-Onboard-PS-v1.1-20220419.html#RVInfo>

In order to use the Intel hosted RV server you need to set the manufacturers RvInfo to:

For devices capable of using HTTPS for To1 set to:

```
[[[5,"fdorv.com"],[3,443],[12,2],[4,443]]]
```

For devices that need to use HTTP for To1 set to:

```
[[[5,"fdorv.com"],[3,80],[12,1],[4,443]]]
```

You can use POST /api/v1/rvinfo/ API to set this in the manufacturer

For Owner/TO0 to work you need to trust the Intel Hosted TLS server certificates or you will get the following error in the logs:

```
15:07:19.451 [DEBUG] Connection released: [id: 0][route: {s}->https://fdorv.com:443][total available: 0; route allocated: 0 of 5; total allocated: 0 of 10]
```

```
...
```

```
15:07:19.454 [INFO ] javax.net.ssl.SSLHandshakeException: PKIX path building failed: sun.security.provider.certpath.SunCertPathBuilderException:
unable to find valid certification path to requested target
    at java.base/sun.security.ssl.Alert.createSSLException(Alert.java:131)
```

You can add these certificates to the owner/secrets/ca-cert.pem

They can be downloaded from <https://support.sectigo.com/articles/Knowledge/Sectigo-Intermediate-Certificates>

Organization Validation

[Download] Sectigo RSA OV Bundle [Intermediate + Cross Signed]

I have included a copy of them below for convenience:

-----BEGIN CERTIFICATE-----
MIIGGTCCBAGgAwIBAgIQE31TnKp8MamkM3AZaIR6jTANBgkqhkiG9w0BAQwFADCB
iDElMAKGA1UEBhMCMVVmXezARBgNVBAgTCk5ldyBKZXJzZXkxZDA5BjNVBAcTC0pl
cnNleSBDaXR5MR4wHAYDVQKExVUaGUgVFNUIRSVVNUIE5ldHdvcmxLjAsBgNV
BAMTJVVTTRVJUcnVzdCB5U0EgQ2VydGhmaWNhdGlvbiBDbXR0b3JpdHkwHhcNMTgx
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BAgTEkdyZWFOZXIgtWTFUy2Hlc3RlcjEQMA4GA1UEBxMHU2F5Zm9yZDEYMBYGA1UE
ChMPU2VjdGlnbyBMaW1pdGVKMT0wOwYDVQQDEzRTZWNOaWdvIFJTSBPCmdhbmI6
YXRpb24gVmFsaWRhdGlvbiBTZWNIcmUgU2VydMvYlENBmIiBjANBgkqhkiG9w0B
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fGVqwEcN2XylY4QZ4ffK76q06Fha2ZnjJt+OErK43DOyNtoUHZZYQkBuCyKFHFEi
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-----END CERTIFICATE-----
-----BEGIN CERTIFICATE-----
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BgRVHSAAMEGA1UdHwQ8MDowOKA2oDSGMmh0dHA6Ly9jcmwudXNIcnRydXN0LmNvbS9VU0VSVHJ1c3RSU0FDZXJ0aWZpY2F0aW9uQXV0aG9yaXR5LmNybDB2BggrBgEFBQcwwAYYZaHR0cDovL29jc3AudXNlcnRydXN0LmNvbTANBgkqhkiG9w0BAQwFAAOCAgEATHNAlsnD5m5bwOO69Bfhrqkfyb/LDCUW8nNTs3Yat6tIBtbNAHwgRUFbBZaGxNh10m6pAkKjOZi3JknSj3N6uq9BoNviRrzwB93fVC8+Xq+uH5xWo+jBaYXEGscBDxLmPbYox6xU2JpTi1Qucj+lmveZhUZeTth2HvbC1bP6mESkGYTQxMD0gJ3NR0N6Fg9N3OSBGltqnxloWJ4Wyz0TToxcvr44APhL+XJ71PJ616lphdAEutNCLFGIUI7RPSRnR+XvZBv0yJtQJshE3cQhifa6ezlejpZehEU4z4CqN2mLYBd0FUiRnG3wTqN3yhscSPR5z0noX0+FCuKPKBucEya67emp7SsXaRfz+bYipaQ908mgWB2XQ8kd5GzKjGfFlqyXywcKaplnI5o3hAcNt37N3j0VcFcC3mSZiIBYRiBXBwdoY5TtMibx3+bfEOs2LEPMvAhblhHrrhFYBZIAyuBbuMf1a+HNJav5fyakywxnB2sJCNwQs2uRHY1ihc6k/+JLCYCpsM0MF8XPtpvcyITcaQvKZN8rG61ppnW5YCUtCC+cQKXA0o4D/I+pWvidWkvklsQLI+qGu41SWyxp7x09fn1txDAXYw+zuLXfdKiXyaNb78yvBXAfCNP6CHMntHWpdLgtJmwsQt6j8k9Kf5qLnjatkYYaA7jBU=



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